




IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/785,427

DATE: 08/16/2004

TIME: 15:57:15

Input Set : N:\AMC\US10785427.raw

Output Set: N:\CRF4\08162004\J785427.raw

1 <110> APPLICANT: Sigma-Tau Industrie Farmaceutiche Riunite S.P.A.  
 2 <120> TITLE OF INVENTION: Long Pentaxin PTX3 and Female Sterility  
 3 <130> FILE REFERENCE: 012-ST-01-US  
 4 <140> CURRENT APPLICATION NUMBER: US/10/785,427  
 5 <141> CURRENT FILING DATE: 2004-02-25  
 6 <150> PRIOR APPLICATION NUMBER: US/10/485,640  
 7 <151> PRIOR FILING DATE: 2004-02-03  
 8 <150> PRIOR APPLICATION NUMBER: US 60/309,472  
 9 <151> PRIOR FILING DATE: 2001-08-03  
 10 <160> NUMBER OF SEQ ID NOS: 11  
 11 <170> SOFTWARE: PatentIn version 3.1  
 13 <210> SEQ ID NO: 1  
 14 <211> LENGTH: 1837  
 15 <212> TYPE: DNA  
 16 <213> ORGANISM: Homo sapiens  
 17 <300> PUBLICATION INFORMATION:  
 18 <301> AUTHORS: Breviario et al.  
 19 <302> TITLE: Interleukin-1 Inducible Genes in Endothelial Cells  
 20 <303> JOURNAL: Journal of Biological Chemistry  
 21 <304> VOLUME: 267  
 22 <305> ISSUE: 31  
 23 <306> PAGES: 22190-22197  
 24 <307> DATE: 1992-11-05  
 25 <308> DATABASE ACCESSION NO: X636613  
 26 <309> DATABASE ENTRY DATE: 1993-07-29  
 27 <400> SEQUENCE: 1



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 30 gaactcggat gattatgata tcatgtatgt gaatttggac aacgaaatag acaatggact 180  
 31 ccatccact gaggacccca cgcgtgcga ctgcggtcag gagcactcgg aatgggacaa 240  
 32 gctcttcac atgctggaga actcgcagat gagagagcgc atgctgctgc aagccacgga 300  
 33 cgacgtctg cggggcgagc tgcagaggct gcgggaggag ctgggcccgc tcgcggaag 360  
 34 cctggcgagg ccgtgcgcgc cgggggctcc cgcagaggcc aggtgacca gtgctctgga 420  
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 38 ttgtgaaaca gctattttat tcccaatgcg ttccaagaag atttttggaa gcgtgcatcc 660  
 39 agtgagacca atgaggcttg agtcttttag tgccctgcatt tgggtcaaag ccacagatgt 720  
 40 attaaacaaa accatcctgt tttcctatgg cacaagagg aatccatag aatccagct 780  
 41 gtatctcagc taccaatcca tagtggttg ggtgggtgga gaggagaaca aactggttg 840  
 42 tgaagccatg gtttccttg gaaggtggac ccacctgtgc ggcacctgga attcagagga 900  
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47      catccggggg aatattgttg ggtggggagt cacagagatc cagccacatg gaggagctca 1200
48      gtatgtttca taaatgttgt gaaactccac ttgaagccaa agaaagaaac tcacacttaa 1260
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60 &lt;210&gt; SEQ ID NO: 2

61 &lt;211&gt; LENGTH: 381

62 &lt;212&gt; TYPE: PRT

63 &lt;213&gt; ORGANISM: Homo sapiens

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66 &lt;222&gt; LOCATION: (1)..(17)

67 &lt;223&gt; OTHER INFORMATION:

68 &lt;220&gt; FEATURE:

69 &lt;221&gt; NAME/KEY: MAT PEPTIDE

70 &lt;222&gt; LOCATION: (18)..(381)

71 &lt;300&gt; PUBLICATION INFORMATION:

72 &lt;301&gt; AUTHORS: Breviario et al.

73 &lt;302&gt; TITLE: Interleukin-1 Inducible Genes in Endothelial Cells

74 &lt;303&gt; JOURNAL: Journal of Biological Chemistry

75 &lt;304&gt; VOLUME: 267

76 &lt;305&gt; ISSUE: 31

77 &lt;306&gt; PAGES: 22190-22197

78 &lt;307&gt; DATE: 1992-11-05

79 &lt;308&gt; DATABASE ACCESSION NO: CAA45158

80 &lt;309&gt; DATABASE ENTRY DATE: 1993-07-29

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85      -1 1 5 10 15
86      Glu Ile Asp Asn Gly Leu His Pro Thr Glu Asp Pro Thr Pro Cys Asp
87      20 25 30
88      Cys Gly Gln Glu His Ser Glu Trp Asp Lys Leu Phe Ile Met Leu Glu
89      35 40 45
90      Asn Ser Gln Met Arg Glu Arg Met Leu Leu Gln Ala Thr Asp Asp Val
91      50 55 60
92      Leu Arg Gly Glu Leu Gln Arg Leu Arg Glu Glu Leu Gly Arg Leu Ala
93      65 70 75
94      Glu Ser Leu Ala Arg Pro Cys Ala Pro Gly Ala Pro Ala Glu Ala Arg

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Input Set : N:\AMC\US10785427.raw

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96      Leu Thr Ser Ala Leu Asp Glu Leu Leu Gln Ala Thr Arg Asp Ala Gly
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99              115              120              125
100     Ala Gly Arg Ala Leu Ala Ala Val Leu Glu Glu Leu Arg Gln Thr Arg
101              130              135              140
102     Ala Asp Leu His Ala Val Gln Gly Trp Ala Ala Arg Ser Trp Leu Pro
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104     Ala Gly Cys Glu Thr Ala Ile Leu Phe Pro Met Arg Ser Lys Lys Ile
105              160              165              170              175
106     Phe Gly Ser Val His Pro Val Arg Pro Met Arg Leu Glu Ser Phe Ser
107              180              185              190
108     Ala Cys Ile Trp Val Lys Ala Thr Asp Val Leu Asn Lys Thr Ile Leu
109              195              200              205
110     Phe Ser Tyr Gly Thr Lys Arg Asn Pro Tyr Glu Ile Gln Leu Tyr Leu
111              210              215              220
112     Ser Tyr Gln Ser Ile Val Phe Val Val Gly Gly Glu Glu Asn Lys Leu
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114     Val Ala Glu Ala Met Val Ser Leu Gly Arg Trp Thr His Leu Cys Gly
115              240              245              250              255
116     Thr Trp Asn Ser Glu Glu Gly Leu Thr Ser Leu Trp Val Asn Gly Glu
117              260              265              270
118     Leu Ala Ala Thr Thr Val Glu Met Ala Thr Gly His Ile Val Pro Glu
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123              305              310              315
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132 &lt;211&gt; LENGTH: 1841

133 &lt;212&gt; TYPE: DNA

134 &lt;213&gt; ORGANISM: Mus musculus

135 &lt;300&gt; PUBLICATION INFORMATION:

136 &lt;301&gt; AUTHORS: Introna et al.

137 &lt;302&gt; TITLE: Cloning of Mouse PTX3

138 &lt;303&gt; JOURNAL: Blood

139 &lt;304&gt; VOLUME: 87

140 &lt;305&gt; ISSUE: 5

141 &lt;306&gt; PAGES: 1862-1872

142 &lt;307&gt; DATE: 1996-03-01

143 &lt;308&gt; DATABASE ACCESSION NO: X83601

144 &lt;309&gt; DATABASE ENTRY DATE: 1996-01-10

## RAW SEQUENCE LISTING

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Input Set : N:\AMC\US10785427.raw

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158      agtacttgca tttgggtcaa agccacagat gtattaaaca aaaccatcct gttttcttat      780
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173      gcccattgtt cattctttct ggtgtgtatt ttgtgacaaa agagatgatg agaaaaccat      1680
174      aattatacca caaagtgact tattaacgaa cataaatgta gcttacgtgt tataatccaa      1740
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178 <210> SEQ ID NO: 4
179 <211> LENGTH: 381
180 <212> TYPE: PRT
181 <213> ORGANISM: Mus musculus
182 <220> FEATURE:
-> 183 <221> NAME/KEY: SIGNAL PEPTIDE
184 <222> LOCATION: (1)..(17)
185 <223> OTHER INFORMATION:
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187 <221> NAME/KEY: MAT PEPTIDE
188 <222> LOCATION: (18)..(381)
189 <223> OTHER INFORMATION:
190 <300> PUBLICATION INFORMATION:
191 <301> AUTHORS: Introna et al.
192 <302> TITLE: Cloning of Mouse PTX3
193 <303> JOURNAL: Blood
194 <304> VOLUME: 87

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Input Set : N:\AMC\US10785427.raw

Output Set: N:\CRF4\08162004\J785427.raw

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195 <305> ISSUE: 5
196 <306> PAGES: 1862-1872
197 <307> DATE: 1996-03-01
198 <308> DATABASE ACCESSION NO: CAA58580
199 <309> DATABASE ENTRY DATE: 1996-01-10
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207 Cys Arg Gln Glu His Ser Glu Trp Asp Lys Leu Phe Ile Met Leu Glu
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209 Asn Ser Gln Met Arg Glu Gly Met Leu Leu Gln Ala Thr Asp Asp Val
210 50 55 60
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212 65 70 75
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214 80 85 90 95
215 Leu Val Arg Ala Leu Glu Pro Leu Leu Gln Glu Ser Arg Asp Ala Ser
216 100 105 110
217 Leu Arg Leu Ala Arg Leu Glu Asp Ala Glu Ala Arg Arg Pro Glu Ala
218 115 120 125
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220 130 135 140
221 Ala Asp Leu Ser Ala Val Gln Ser Trp Val Ala Arg His Trp Leu Pro
222 145 150 155
223 Ala Gly Cys Glu Thr Ala Ile Phe Phe Pro Met Arg Ser Lys Lys Ile
224 160 165 170 175
225 Phe Gly Ser Val His Pro Val Arg Pro Met Lys Leu Glu Ser Phe Ser
226 180 185 190
227 Thr Cys Ile Trp Val Lys Ala Thr Asp Val Leu Asn Lys Thr Ile Leu
228 195 200 205
229 Phe Ser Tyr Gly Thr Lys Trp Asn Pro Tyr Glu Ile Gln Leu Tyr Leu
230 210 215 220
231 Ser Ser Gln Ser Leu Val Leu Val Val Gly Gly Lys Glu Asn Lys Leu
232 225 230 235
233 Ala Ala Asp Thr Val Val Ser Leu Gly Arg Trp Ser His Leu Cys Gly
234 240 245 250 255
235 Thr Trp Ser Ser Glu Gln Gly Ser Met Ser Leu Trp Ala Asn Gly Glu
236 260 265 270
237 Leu Val Ala Thr Thr Val Glu Met Ala Lys Ser His Ser Val Pro Glu
238 275 280 285
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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/785,427

DATE: 08/16/2004  
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Input Set : N:\AMC\US10785427.raw  
Output Set: N:\CRF4\08162004\J785427.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:11; Xaa Pos. 2,4,5,7

**VERIFICATION SUMMARY**PATENT APPLICATION: **US/10/785,427**

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L:81 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:0  
L:183 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4  
L:200 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:0  
L:200 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:0  
L:272 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:0  
L:318 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:6,Line#:0  
L:425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0